PLASMA

Display

CMP307XU

37" High Resolution XGA

- ◆ High resolution XGA (1024 x 768)
- ◆ 4:3 aspect ratio
- ◆ 160 degree viewing angle
- ◆ Theater operation (capable of 16 million colors)
- ◆ Multiscan capability (PC Analog RGB)
- ◆ Standard video inputs (BNC, s-video)
- ◆ Built-in screen saver
- ◆ Internal speakers

HITACHI

37-Inch High Definition Plasma Display

Model	CMP307XU
General	
Power supply	AC100~120V │ 200-240V
Frequency	50/60Hz
Power consumption	390W (typical)
Dimensions	34.8" (W) x 26.9" (H) x 3.9" (D)(excluding stand)
Weight	65 lbs., 9 ozs. (excluding stand)
Display characteristics	
Effective display area	29.6" (horizontal) x 22.2" (vertical)
Aspect ratio	4 : 3
Number of pixels	1024 (horizontal) x 768 (vertical) pixels
Pixel pitch	0.735 (horizontal) x 0.735 (vertical) mm
Number of colors (gray levels)	2.09 million colors (128 gray levels)/16.7 million colors (256 gray levels)
Brightness	150cd/m^2 (typical) at white peak (with front filter, 2.09-million-color mode)
Contrast ratio	400 : 1 (typical, no ambient light, 2.09-million-color mode)
Viewing angle	More than 160°

Signal input and terminals

Video	Analog (PC) RGB 1	Format/frequency: R, G, B, H, V/fH: 24 - 80kHz; fV: 50 - 75Hz
		Level/impedance: R, G, B = 0.7Vp-p/75Ω
		Synchronization: H/V separate sync.: TTL, H/V composite sync.: TTL, G sync.: 0.3Vp-p
		Connector: 15 pin mini D-Sub
	Analog (PC) RGB 2	Format/frequency: R, G, B, H, V/fH: 24 - 80kHz; fV: 50 - 75Hz
		Level/impedance: R, G, B = 0.7Vp-p/75Ω
		Synchronization: H/V separate sync.: TTL, H/V composite sync.: TTL, G sync.: 0.3Vp-p
		Connector: BNC x 5
	Video 1 composite	Format: video or S-video (NTSC/PAL/SECAM)
		Level/impedance: 1.0Vp-p/75Ω
		Synchronization: Composite sync. signal
		Connector: RCA pin x 1, S terminal x 1
	Video 2 component	Format: Y, PB, PR or Y, CB, CR
		Level/impedance: Y = 1.0V; PB/CP, PR/CR = 0.7Vp-p/75Ω
		Synchronization: Weighted on Y signal
		Connector: RCA pin x 3
Audio	3 inputs	Stereo signal supplied with video 2 input and RGB 1 input: L/R 470mV high impedance
		Connector: RCA pin (L/R) x 3
Control terminal		Connector: 8 pin mini DIN

Signal output

	Speaker output	2W + 2W (built-in 3.9" x 1.2" speakers x 2)

Controls

Switches/Buttons		Main Power switch, Sub Power button
		Adjustment buttons (Input Changeover, Adjustment Menu, Selection, Sound Volume Adjustment)
Main adjustment	Video signal	Contrast, brightness, color, color tone, sharpness
	RGB signal	Contrast, brightness, display size, vertical position, horizontal position, clock frequencies, clock phase
	Audio signal	Volume, balance, high, low, mute
Remote control		Infrared remote control unit provided
Power management		VESA DPMS, International ENERGY STAR® compliant

Environmental conditions

Temperature	Operating temperature: 5 - 35°
Humidity	Operating humidity: 20 - 80% (non-condensation)

Regulations

Safety	UL1950, CSA C22.2 No.950
EMI	FCC class A

Supplied accessories

	Table stand, AC power cable (L = 5' 11"), interface cable (D-Sub 15P connector; L = 5' 11"), infrared remote control unit (2x AA batteries included), user manual

External dimensions

Corresponding personal computer signals

Signal mode

Signal	Resolution frequencies Hz	Vertical frequencies MHz	Horizontal frequencies MHz	Dot clock frequencies MHz
VGA	640 x 400	70.08	31.47	25.18
	640 x 480	59.94	31.47	25.18
VESA	640 x 400	72.81	37.86	31.50
	640 x 480	75.00	37.50	31.50
	800 x 600	56.25	35.16	36.00
	800 x 600	60.32	37.88	40.00
	800 x 600	72.19	48.08	50.00
	800 x 600	75.00	46.88	49.50
	1024 x 768	60.00	48.36	65.00
	1024 x 768	70.07	56.48	75.00
	1024 x 768	75.03	60.02	78.75
	1280 x 1024	60.02	63.98	108.00
Apple	640 x 480	74.55	35.00	30.24
	832 x 624	74.93	49.73	57.28
	1024 x 768	56.42	60.24	80.00

* Due to the interpolation necessary for the operation of digital display devises such as PDP at full screen, it is recommended that display monitors utilize the native resolution (1024x768 for CMP307XU) capabiliy of the panel and are operated at their optimal resolution when text or fine lines are being viewed.

HITACHI

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